

APPENDIX A
SUN, STEELING TOWERS
SITE SAFETY PLAN

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SITE SAFETY PLAN

US EPA RECORDS CENTER REGION 5



470977

SITE SAFETY PLAN

FOR:

ALBION - SHERIDAN TOWNSHIP LANDFILL

13355 29 MILE ROAD

ALBION, MICHIGAN

DRUM SAMPLING PROJECT

Prepared by: Andrea Lang

Date: May 25, 1990

JOSEPH GROSSE TEL. 313-882-7677 *NEW* #500 P04

GREAT LAKES ENVIRONMENTAL SERVICES, INC.

Site Health and Safety Plan

Outline

- A. Project Description
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- D. Project contact Personnel
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- J. Site Decontamination Procedures
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 - 3. Spill Kits
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 - 3. Accident Report Form
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 - 1. Field Operations Chemical List
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SITE SAFETY PLAN

Great Lakes Environmental Services, Inc.

Special Project Group

This and all Great Lakes Environmental Services documents are PROPRIETARY AND CONFIDENTIAL and have been prepared for the sole use of our employees, subcontractors, and clients in performing specific project requirements. The transmission of all or part of this information without prior written authorization is prohibited.

Before site operations begin all employees and subcontractors involved in these operations will have read and understood this site safety plan and will sign the form at the end of this document.

SITE SAFETY PLAN

Great Lakes Environmental Services, Inc.

Special Projects Group

A. Project: Characterization and disposal of surface materials
and tank cleaning.

B. Great Lakes Environmental Services No. 30-6206

C. Location: Albion Sheridan Township Landfill
13355 29 Mile Road
Albion, Michigan

D. Contact Personnel

Eagle Ficher
Paul Harper (513) 629-2418

Warner, Norcross & Judd
Scott Hubbard (616) 459-6121x495

Kathryn Lynnes (616) 459-6121x462

U.S. EPA

Jason El-Zein On-Scene Coordinator (313) 692-7686

Beth Henning Assistant Regional Counsel (312) 886-6831

Great Lakes Environmental Services

Walt Grabowski Environmental Service (313) 758-0400
Car Phone Coordinator (517) 740-0860

Andrea Lang Health and Safety (313) 758-0400

John Phelps Director of Development (313) 758-0400

E. SITE LOCATION MAP

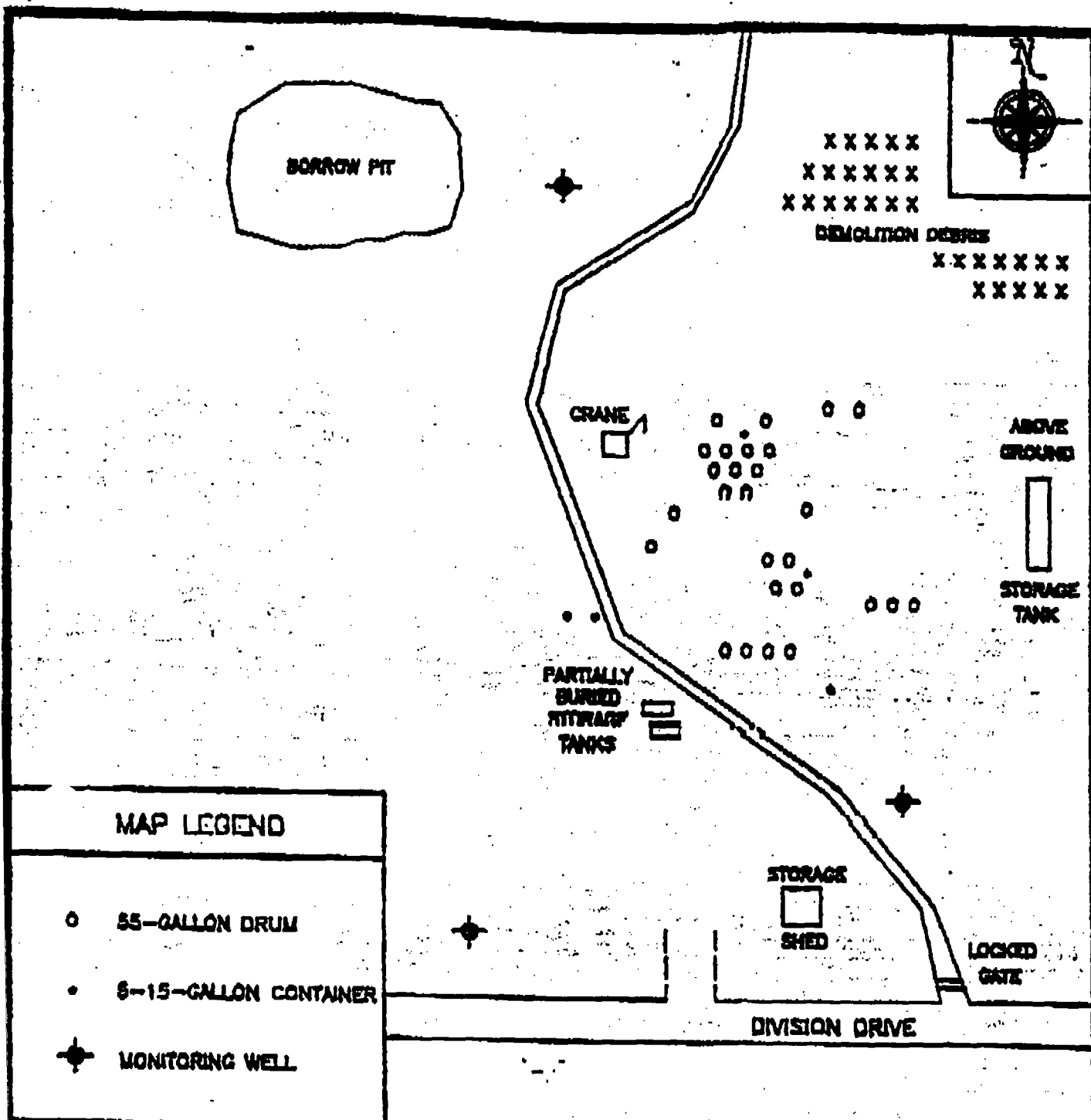


FIGURE 3

SITE MAP

ALBION-SHERIDAN TOWNSHIP
LANDFILL

ALBION, MICHIGAN

NOT DRAWN TO SCALE



DRAWN BY
J. BOECKMAN

DATE
11-20-89

PCS #
2428

APPROVED BY
J. SINKLEY

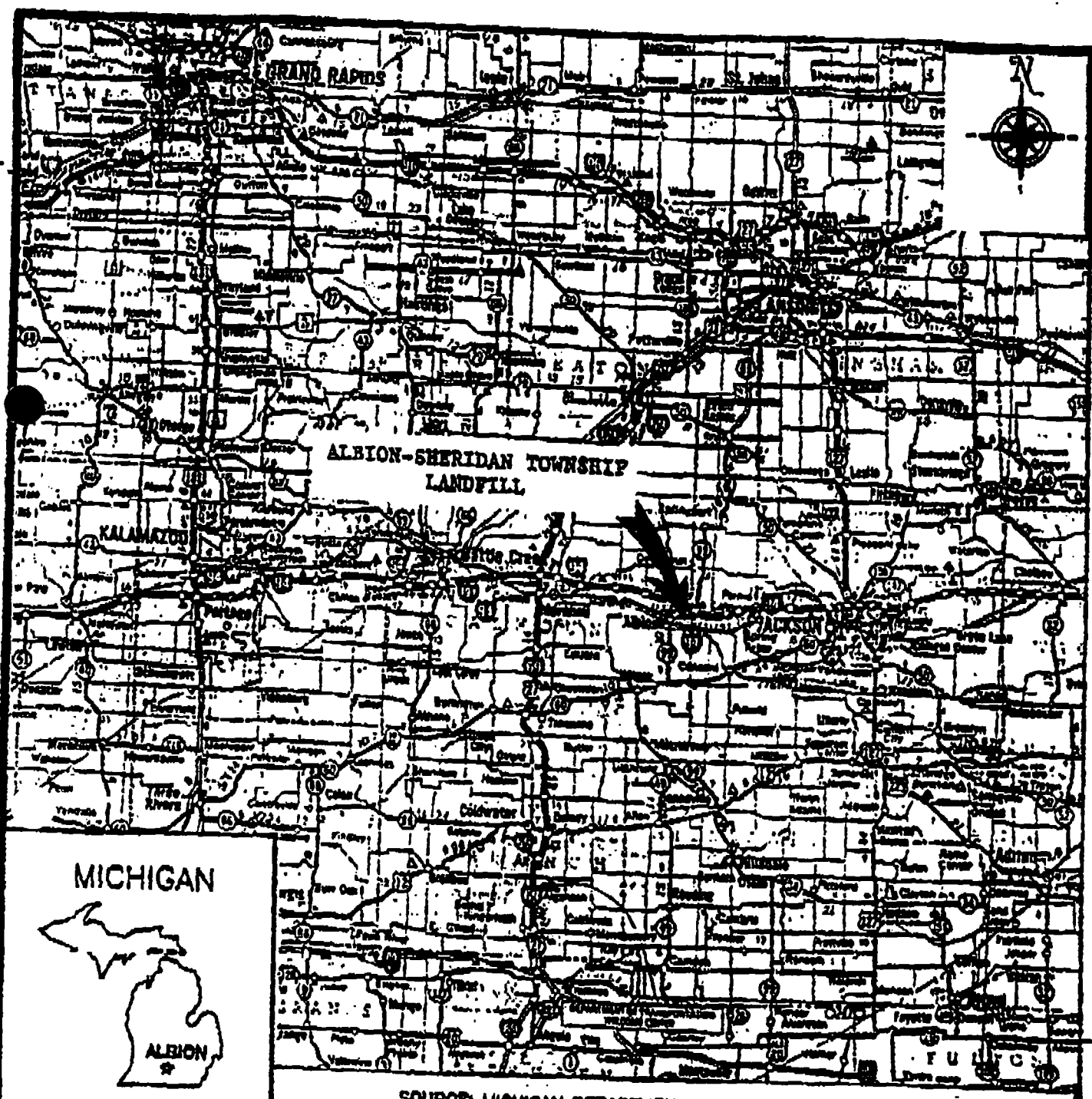
DATE
11-20-89

TDD #
5-8810-04

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F. VICINITY MAP:



SOURCE: MICHIGAN DEPARTMENT OF TRANSPORTATION - 1989

FIGURE 1

SITE LOCATION MAP

ALBION-SHERIDAN TOWNSHIP
LANDFILL

ALBION, MICHIGAN

SCALE: 1 INCH = 14.5 MILES



DRAWN BY J. BOECKMAN	DATE 10-23-89	PCS # 2428
APPROVED BY J. BINKLEY	DATE 10-23-89	TDD # 3-8910-04

G. WORKSCOPE

STARTS ON PAGE 3 OF THIS DOCUMENT

H. Hazardous Materials Description

1. Type: Liquid X Solid X Sludge X Vapor/Gas X

2. Chemical name/class: Assumed sampling unknown chemicals.
List of materials that may potentially be encountered
are described in the work plan.

3. Characteristics: Corrosive _____ Ignitable X Volatile X
Toxic X Reactive _____

4. Toxicity: TLV _____ IDLH _____

5. Specials hazards: See #2 above, and possible confined space
entry; confined space entry permit is attached.

6. Acute expose symptoms: any irritation to eyes, skin or mucous
membranes; dizziness or giddiness; nausea; or difficulty in
breathing. Symptoms should not be encountered due to the use
of 'Level B' protective equipment.

7. Hazard level: High X Moderate _____ Low _____ Unknown _____
Inhalation X Ingestion X Contact X

104-103-101-102 ID:USEPA GROSSE ILE MI TEL NO:313-692-7677 */NEW/* H500 P11

I. Personal Protective Equipment

1. Entry level of protective clothing:

A. _____ B. X C. _____ D. _____

2. Respiratory protection equipment:

SCBA X

Full face respirator _____ Cartridge type _____

Half face respirator _____ Cartridge type _____

Dust mask _____

3. Protective Clothing

LEVEL A should be worn when the highest level of respiratory, skin, eye, and mucous membrane protection is needed.

_____ Positive-Pressure (pressure demand), SCBA MSHA/NIOSH approved) REQUIRED

_____ Fully encapsulated chemical resistant suit REQUIRED

_____ Gloves, chemically resistant REQUIRED

_____ Boots, chemical resistant, steel toe and steel shank REQUIRED

_____ Hard hat (under suit)

_____ Coveralls (under suit)

_____ Two-way radio communication

LEVEL B protection should be selected when the highest level of respiratory protection is needed, but a lesser level of skin and eye protection. LEVEL B protection is the minimum level recommended on initial site entry until the hazards have been further identified and defined by monitoring, sampling, and other reliable methods of analysis, in personnel equipment corresponding with those findings utilized.

X Positive-Pressure (pressure demand), SCBA (MSHA/NIOSH approved) REQUIRED

X Chemical resistant clothing (coveralls, jacket coverall, hooded two piece chemical splash suit, disposable chemical resistant coveralls) REQUIRED

X Coveralls (under splash suit)

X Boots, outer, chemical resistant, steel toe and shank REQUIRED

X Hard hat

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LEVEL C protection should be selected when a type of airborne substance is known, concentrations measured, criteria for using air purifying respirators met, and skin and eye exposure is unlikely.

_____ Full face, air purifying respirator (MSHA/NIOSH approved) REQUIRED

_____ Chemical resistant clothing (one piece coverall, hooded two piece chemical splash suit, chemical resistant hood and apron, disposal chemical resistant coveralls) REQUIRED

_____ Boots, chemical resistant, steel toe and shank REQUIRED

_____ Hard hat

_____ Two-way radio communication

_____ Escape mask

LEVEL D is primarily a work uniform. It should not be worn on any site where respiratory or skin hazards exist.

_____ Safety glasses

_____ Work uniform

_____ Hard hat

_____ Steel toe and shank boots.

4. Annual Physical Requirements

Great Lakes Environmental Services provides a thorough annual physical to all employees. The physical is designed to meet all governmental requirements relative to our type of work such as Department of Transportation (DOT) driver physical, OSHA respirator use physical, and EPA clean up contractor medical requirements. The extensive annual physical helps provide a baseline for the doctors to use in charting each employees state of health over time.

J. Decontamination Procedures

Decontamination is the process of removing contaminants that have accumulated on personnel and equipment. Decontamination protects workers from hazardous substances that may contaminate the permeate clothing, respiratory equipment, tools, vehicles, and other equipment used on site. It protects the site personnel by minimizing the transfer of potentially harmful materials into clean areas and protects the community by preventing uncontrolled transportation of contaminants from the site.

In the decontamination zone, all personnel will remove contaminated equipment and clothing in the following order:

1. Drop equipment
2. Tape removal
3. Outer boot removal
4. outer glove removal
5. Outer chemically protective suit and hard hat
6. Inner glove and boot removal
7. SCBA removal
8. Wash face and hands (field wash)

All clothing is disposable and will be disposed of as contaminated material. All other contaminated items will be securely packaged and decontaminated at Great Lakes Environmental Services. No gross contamination of personnel is expected to occur.

All personnel entering the zone of contamination will dress in their protective gear following the above order in reverse.

For details refer to the Decontamination layout on the next page.

K. Emergency Telephone List

The Project Foreman and each group coordinator will be equipped with an emergency notification device to alert all work crew members in case of any emergency situation.

Emergency notification will be two short blasts with the horn in repeated intervals of five seconds. Upon hearing the emergency notification, the Project Foreman and group coordinator (s) will direct all personnel to a predetermined Safe Zone. The Project Foreman and group coordinator(s) will be responsible for coordinating any necessary first aid procedures and implementing any other required emergency action.

County/Name	Phone Number
Police: Albion	(517) 629-3933
EMS: Albion	(517) 629-9431
Albion Fire Department	(517) 629-3933
Hospital: Albion Community	(517) 629-2191

NOTE: Albion Community Hospital was contacted on May 24, 1990, and asked if they could treat chemical emergencies. They responded that they could.

Directions to Hospital: 29 Mile road west to first cross street and turn left (south), turn right (west) on 28 Mile road. Take 28 Mile road into town (5-6 miles) (road name will change to Eaton Street) follow to Erie, turn right, Albion Community Hospital is 3-4 blocks down on Erie Street.

National Poison Control Center	(502) 432-9516
Chemtrec	1-800-424-9300
Nearest Phone	Supervisor's Pick-Up

Appendix C

K. Emergency Telephone List (con't)

In the event of an accidental or intentional release of a "hazardous substance" in a reportable quantity, the person in charge of the incidental shall notify:

U.S. Coast Guard National Response Center 1-800-424-8802

State Notification:

Michigan DNR Pollution Emergency Alert 1-800-292-4706

Ohio 1-800-282-9378

Indiana (317) 633-0144

Illinois (217) 782-7860

Wisconsin (608) 266-3232

Transportation related hazardous material accidents where:

1. A person is killed or hospitalized; or
2. Property damage exceeds \$50,000.00; or
3. A continuing danger exists . . .

. . . The U.S. Department of Transportation (1-202-426-1830) must be contacted in addition to the applicable federal and state numbers.